

Converting Colors

Yxy(33.8549, 0.3110, 0.3568)

Have a look what the booklet for
Yxy(33.8549, 0.3110, 0.3568)
contains.

Yxy(33.7836, 0.3114, 0.3571)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.7836, 0.3114, 0.3571)

Conversions

Conversions Part 1

Format	Color
Hex	90A290
RGB	144, 162, 144
RGB Percent	56%, 64%, 56%
CMY	0.4352, 0.3647, 0.4352
CMYK	0.11, 0.00, 0.11, 0.36
HSL	120°, 9%, 60%
HSV	120°, 11%, 64%
XYZ	29.4601, 33.7836, 31.3617
YIQ	154.5660, -4.9500, -9.4140

Conversions

Conversions Part 2

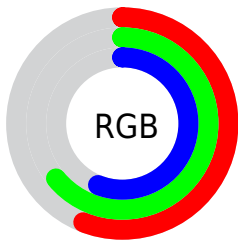
Format	Color
RYB	144, 162, 162
Decimal	9478800
CIELab	64.79, -9.86, 7.21
CIELCh	65, 12.213, 143.808
Yxy	33.7836, 0.3114, 0.3571
Android (android.graphics.Color)	4287668880 (0xFF90A290)
YUV	154.5660, -5.2090, -9.2664
Hunter-Lab	58.1237, -11.2432, 8.6955

Details

The Yxy color **33.7836, 0.3114, 0.3571** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.2422, 0.3140, 0.3024**, and the grayscale version is **32.6046, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7087, 0.3117, 0.3513**, and **14.3397, 0.3110, 0.3652** is the 20% darker color. If you saturate the color by 10%, you get **31.9689, 0.3100, 0.3860**, and if you desaturate by 10%, it is **35.8816, 0.3126, 0.3316**.

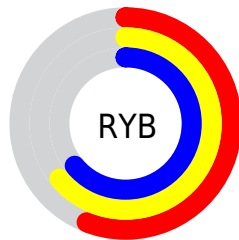
Distribution



Red (56%)

Green (64%)

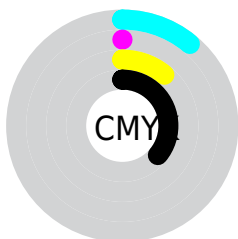
Blue (56%)



Red (56%)

Yellow (64%)

Blue (64%)

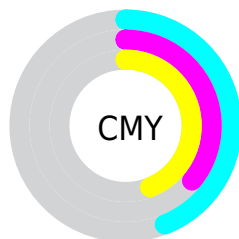


Cyan (11%)

Magenta (0%)

Yellow (11%)

Black (36%)



Cyan (44%)

Magenta (36%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.7836, 0.3114, 0.3571 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 33.7836, 0.3114, 0.3571 by changing the saturation by 10% instead.

■ 33.7836, 0.3114,
0.3571

■ 33.7836, 0.3114,
0.3571

319.1661, 0.3122,
0.3420

■ 22.7274, 0.3111,
0.3612

■ 65.5970, 0.3117,
0.3514

■ 14.3924, 0.3107,
0.3668

■ 87.1230, 0.3119,
0.3493

■ 8.3941, 0.3101,
0.3747

112.9077, 0.3119,
0.3476

■ 4.3481, 0.3091,
0.3866

143.3356, 0.3120,
0.3461

■ 1.8701, 0.3069,
0.4071

178.7909, 0.3121,
0.3449

■ 0.5303, 0.3039,
0.6117

219.6582, 0.3121,

■ 0.0000, 0.0000,

0.3438

0.0000

266.3218, 0.3122,
0.3429

■ 33.7836, 0.3114,
0.3571

■ 33.7836, 0.3114,
0.3571

■ 31.9689, 0.3100,
0.3860

■ 35.8816, 0.3126,
0.3316

■ 30.4212, 0.3085,
0.4180

■ 38.2696, 0.3136,
0.3094

■ 29.1293, 0.3069,
0.4523

■ 40.9597, 0.3145,
0.2902

■ 28.0794, 0.3053,
0.4875

■ 43.9620, 0.3153,
0.2737

■ 27.2565, 0.3037,
0.5216

■ 47.2860, 0.3160,
0.2595

■ 26.6437, 0.3023,
0.5518

■ 50.9408, 0.3165,
0.2474

■ 26.2221, 0.3011,
0.5757

■ 54.3194, 0.3170,
0.2384

■ 25.9692, 0.3004,
0.5915

■ 25.8395, 0.3000,
0.6000

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.7836, 0.3302, 0.3626



33.7836, 0.3114, 0.3571



33.7836, 0.2934, 0.3433

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



33.7836, 0.3114, 0.3571



33.7836, 0.2815, 0.2995



33.7836, 0.3458, 0.3309

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



33.7836, 0.3114, 0.3571



30.2422, 0.3140, 0.3024

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



33.7836, 0.3319, 0.3151



33.7836, 0.3114, 0.3571



33.7836, 0.2947, 0.2973

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



33.7836, 0.3114, 0.3571



33.7836, 0.2764, 0.3097



33.7836, 0.3131, 0.3030



33.7836, 0.3504, 0.3467

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.7836, 0.3114, 0.3571



33.7836, 0.2841, 0.3316



33.7836, 0.3131, 0.3030



33.7836, 0.3420, 0.3254

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



33.7850, 0.3114, 0.3571



64.3565, 0.3124, 0.3363



35.4292, 0.3289, 0.3552



14.3846, 0.3123, 0.3383



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.7850, 0.3114, 0.3571



60.5861, 0.3111, 0.3630



34.0609, 0.3039, 0.3433



7.8951, 0.3116, 0.3522



20.3581, 0.3000, 0.6000



0.4278, 0.3000, 0.6000

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



30.2422, 0.3140, 0.3024



53.0177, 0.3142, 0.2972



29.9440, 0.3225, 0.3151



7.2021, 0.3138, 0.3068



8.1050, 0.3209, 0.1541



0.1703, 0.3209, 0.1541

Previews

White Background



This preview shows how the Yxy color 33.7836, 0.3114, 0.3571 looks on a white background.

Color Contrast Check

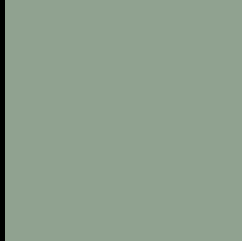
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 33.7836, 0.3114, 0.3571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

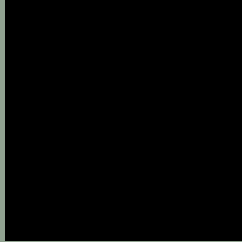
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.7836, 0.3114, 0.3571

Background



This preview shows how black text looks on a background with the Yxy color 33.7836, 0.3114, 0.3571.



This preview shows how white text looks on a background with the Yxy color 33.7836, 0.3114, 0.3571.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

33.7836, 0.3114, 0.3571

Protanopia

33.4866, 0.3338, 0.3515

Deuteranopia

33.4386, 0.3435, 0.3362



Tritanopia

33.6899, 0.2921, 0.3095

Trichromacy



Original Color

33.7836, 0.3114, 0.3571

Protanomaly

33.4746, 0.3254, 0.3534

Deuteranomaly

33.3795, 0.3312, 0.3439

Tritanomaly

33.5725, 0.2996, 0.3259

Monochromacy



Original Color

33.7836, 0.3114, 0.3571

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.2674, 0.3122, 0.3397

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7836, 0.3114, 0.3571 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(144, 162, 144)` looks like.

```
.text, #text, p{  
    color:rgb(144, 162, 144)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(144, 162, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 162, 144) }
```

Border

The CSS property to change the border of an element to Yxy 33.7836, 0.3114, 0.3571 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(144, 162, 144) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(144, 162, 144) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(144, 162, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 162, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 162, 144);  
box-shadow:4px 4px 4px 4px rgb(144, 162,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7836, 0.3114, 0.3571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 162, 144) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(144,  
162, 144) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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